

CLAIMS

- 504360
- sup B1
1. A process for achieving décor on surface elements (1) which comprises a decorative upper layer (2) and a supporting core (5), characterized in that;
 - i) a selected main décor is entered via a terminal, the selected décor emanating from a group consisting of; an archetype digitised via digital camera or scanner and a digitised décor from a database and that,
 - ii) the dimensions of the surface to be covered by surface elements (1) and the desired dimension of the décor is entered into the terminal and that support programs is used for calculating the segmentation of the main décor to cover more than one surface element and that,
 - iii) the result of the selections and calculations is visualised via the terminal.
 2. A process according to claim 1, characterized in that the digitised main décor (2') is stored digitally in order to be used as a control function and original, together with control programs and selection parameters, when printing the décor (2').
 3. A process according to claim 1, characterized in that a surrounding décor is selected.
 4. A process according to claim 3, characterized in that a décor effect in the border between the main décor and the surrounding décor is selected, the selection being made from the group; fading, sharp edge, sharp edge with shadow effect, jagged edge, jagged edge with shadow and surrounding inlay of other décor.
 5. A process according to claim 3, characterized in that
 - i) a segmentation pattern for the surrounding décor is selected, the segmentation comprising at least two décor segments on each surface element (1), wherein the shape, as seen from above, of the surface element (1) is selected from the group; triangular, quadratic, rectangular, heptagonal, pentagonal and octagonal while the shape of the segments is selected from the group triangular, quadratic, rectangular, heptagonal, pentagonal,

octagonal, circular, elliptical, perturbed and irregular and that,

- ii) a segment décor is selected for each segment, wherein the segment décor is selected from the group; digitised and simulated depiction of different kinds of wood, minerals and stone, different kinds of fabric, art work and fantasy based décor and that,
- iii) each selection is made on a terminal where the selections emanates from a data base and that the selection is visualised via the terminal.

6. A process according to claim 4, ~~characterised~~ ^{characterized} in that a décor effect in the border between the main décor and the surrounding décor is selected, the selection being made from the group; fading, sharp edge, sharp edge with shadow effect, jagged edge, jagged edge with shadow and surrounding inlay of other décor.

7. A process according to ~~any of the claims 1-6~~ ^{claim 1,} ~~characterised~~ ^{characterized} in that the dimensions of the surface to be covered by surface elements (1) is entered into the terminal and that support programs calculates an installation pattern.

8. A process according to claim 7, ~~characterised~~ ^{characterized} in that the installation pattern calculation is used for printing an assembly instruction.

9. A process according to claim 7, ~~characterised~~ ^{characterized} in that the installation pattern calculation is used for printing a miniaturised copy of the calculated installation with the selected pattern and décor.

10. A process according to claim 3 ~~or 5~~ ^{characterized} ~~characterised~~ in that the dimensions of the surface to be covered by surface elements (1) is entered into the terminal and that support programs further calculates décor and segmentation pattern matching between the surface elements (1).

11. A process according to ~~any of the claims 1-7~~ ^{claim 1} ~~characterised~~ ^{characterized} in that the selections is used, together with support programs for controlling further steps in the manufacturing procedure selected from the group; identification marking, positioning marking, packaging, lacquering, surface embossing, storing and delivery logistics.

²⁶ *claim 3 characterized*

- a 12. A process according to ~~any of the claims 3 or 5, characterized~~ in that an algorithm is used for guiding the positioning of the décor segments and segmentation pattern so that a décor segment from one surface element may continue on an adjoining surface element.

claim 1 characterized

- o 13. A process according to ~~any of the claims 1-7, characterized~~ in that the control program is used together with décor data and selection parameters for applying matching identification on the surface elements (1).

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